

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:  
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PCT



WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY  
(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) 06. 9. 2005

Applicant's or agent's file reference  
P205-0158WO

**FOR FURTHER ACTION**

See paragraph 2 below

International application No. PCT/JP2005/010202	International filing date (day/month/year) 27.05.2005	Priority date (day/month/year) 28.05.2004
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International Patent Classification (IPC) or both national classification and IPC  
Int.Cl.<sup>7</sup> G06T17/40, G06F3/00

Applicant  
CANON KABUSHIKI KAISHA

**1. This opinion contains indications relating to the following items:**

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☒ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

Date of completion of this opinion		19.08.2005	
Name and mailing address of the ISA/JP  <b>Japan Patent Office</b> 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Authorized officer	
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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/010202

Box No. I      Basis of the opinion.

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing  
☐ table(s) related to the sequence listing

b. format of material

- ☐ in written format  
☐ in computer readable form

c. time of filing/furnishing

- ☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/010202

Box No. IV Lack of unity of invention

1. In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has:

- ☐ paid additional fees  
☐ paid additional fees under protest  
☒ not paid additional fees

2. ☐ This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.

3. This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is

- ☐ complied with  
☒ not complied with for the following reasons:

The "special technical features" of claims 1-3, 6, 7 (a part dependent on claims 1-3), 8 (a part dependent on claims 1-3) relates to [a layout step of laying out, in the virtual space, the virtual object associated with the position/orientation sensor in the association step in accordance with a position and orientation of the position/orientation sensor itself, which are determined on the basis of a measurement result by the position/orientation sensor] while the "special technical features" of claims 4, 5, 7 (a part dependent on claims 4, 5), 8 (a part dependent on claims 4, 5) relates to [where in the operation panel image, a part selected by the operation unit is enlarged]. There is no technical relationship among those inventions involving one or more of the same or corresponding technical features. Therefore, these groups of inventions are not so linked as to form a single general inventive concept.

4. Consequently, this opinion has been established in respect of the following parts of the international application:

- ☐ all parts.  
☒ the parts relating to claims Nos. The claims 1-3, 6-8

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2005/010202

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>3</u>	YES
	Claims	<u>1,2, 6-8</u>	NO
Inventive step (IS)	Claims		YES
	Claims	<u>1-3, 6-8</u>	NO
Industrial applicability (IA)	Claims	<u>1-3, 6-8</u>	YES
	Claims		NO

2. Citations and explanations

D1= JP 2000-353248 A (Mixed Reality Systems Laboratory Inc.JP) 2000.12.19, Full text; all drawings & EP 1060772 A2

D2= JP 2001-60275 A (SGI Japan, Ltd.) 2001.03.06, Full text; all drawings & US 6683607 B1

The subject matter of claim 1, 2, 6-8 does not meet the requirement of novelty and inventive step. Claim 1,2,6-8 relates to [a layout step of laying out, in the virtual space, the virtual object associated with the position/orientation sensor in the association step in accordance with a position and orientation of the position/orientation sensor itself, which are determined on the basis of a measurement result by the position/orientation sensor]. Such [a layout step] appears to be known from D1 (see [paragraphs [0060]-[0062]]).

The subject matter of claim 3 does not appear to involve an inventive step in view of the document 1 cited in the ISR and the document 2 cited in the same.

Although D1 does not disclose the technical feature [section display state], both the present invention and that of D2 share the same problem, that is, [displaying three-dimensional objects], and employ the same technical feature. Therefore, employing the feature [displaying the sections of the objects] disclosed in D2 in order to constitute the present invention would have been easily conceived by the person skilled in the art.